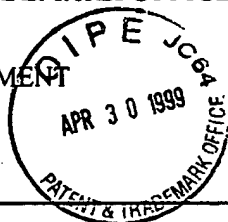


FORM PT01449 (REV. 8-83)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. HARI.006UST		SERIAL NO. 09/143,233	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				<div style="border: 1px solid black; border-radius: 50%; padding: 5px; display: inline-block;"> APR 30 1999 PATENT & TRADEMARK OFFICE </div>		RECEIVED GROUP 2700 MAY 05 1999 2785	
U. S. PATENT DOCUMENTS							
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE	
RL	A6	4 0 5 1 3 5 4	09/1977	Choate			
RL	A7	4 0 6 6 8 8 0	01/1978	Salley			
RL	A8	4 0 8 7 7 9 5	05/1978	Rossler			
RL	A9	4 1 8 1 9 8 0	01/1980	McCoy			
RL	A10	4 2 7 9 0 2 4	07/1981	Schrenk			
RL	A11	4 2 8 7 5 7 0	11/1981	Stark			
RL	A12	4 3 5 7 6 8 5	11/1982	Danicle et al.			
RL	A13	4 3 6 5 3 1 8	12/1982	Aichelmann Jr. et al.			
RL	A14	4 4 2 2 1 6 1	12/1983	Kressel et al.			
RL	A15	4 4 3 0 7 2 7	02/1984	Moore et al.			
RL	A16	4 4 4 8 4 0 0	05/1984	Harari			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANS. (YES/N)
RL	B1	JP 58 2 1 5 7 9 4	1983	Japan			Abstrac
RL	B2	JP 60 0 7 6 0 9 7	04/1985	Japan			Abstrac
RL	B3	JP 59 0 4 5 6 9 5	1984	Japan			Abstrac
RL	B4	JP 59 1 6 2 6 9 5	1984	Japan			Abstrac
RL	B5	JP 63 1 8 3 7 0 0	07/1988	Japan			Abstrac
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)							
RL	C1	Torelli, Guido "An LSI Technology Fully Compatible EAROM Cell", S-ATES Componenti Elettronici SpA, no. 6, vol. LI, 7 pp., 1982.					
RL	C2	Berenga et al. "E2-PROM TV Synthesizer", 1978 IEEE International Solid-State Circuits Conference: ISCCC 78, February 17, 1978, pp.196-197.					
RL	C3	Lucerno et al. "A 16 kbit Smart 5 V-only EEPROM with Redundancy", IEEE Journal of Solid-State Circuits, Vol. SC-18, no. 5, pps. 539-543, October 1983.					
EXAMINER Ly. V. Hua				DATE CONSIDERED 12/14/99			
* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

FORM PT01449 (REV. 8-83)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. HARI.006UST		SERIAL NO. 09/143,233	
INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i>				APPLICANT Eliyahou Harari et al.		RECEIVED	
				FILED August 28, 1998		MA/GBQUB 1999 2785 Group 2700	
U. S. PATENT DOCUMENTS							
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE	
RL 2/3/11 LWH	A17 4 4 6 0 9 8 2	07/1984	Gee et al.				
LWH	A18 4 4 9 3 0 7 5	01/1985	Anderson et al.				
LWH	A19 4 5 2 5 8 3 9	06/1985	Nozawa et al.				
LWH	A20 4 5 2 7 2 5 1	07/1985	Nibby Jr. et al.				
LWH	A21 4 5 2 8 6 8 3	07/1985	Henry				
LWH	A22 4 5 6 2 5 3 2	12/1985	Nishizawa et al.				
LWH	A23 4 6 0 8 6 7 1	08/1986	Shimizu et al.				
LWH	A24 4 6 1 2 6 4 0	09/1986	Mehrotra et al.				
LWH	A25 4 6 1 6 3 1 1	10/1986	Sato				
LWH	A26 4 6 1 7 6 5 1	10/1986	Ip et al.				
LWH	A27 4 6 3 8 4 5 7	01/1987	Schrenk				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANS. (YES/N)	
LWH	B6 JP 58 2 1 5 7 9 5	12/1983	Japan			Abstrac	
LWH	B7 JP 63 2 0 0 3 9 8	08/1988	Japan			Abstrac	
LWH	B8 JP 62 2 8 3 4 9 6	12/1987	Japan			Abstrac	
LWH	B9 JP 54 1 5 8 1 4 1	12/1979	Japan			Abstrac	
LWH	B10 JP 58 0 6 0 4 9 3	04/1983	Japan			Abstrac	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)							
LWH	C4	Stark Moshe, "Two Bits Per Cell ROM", Digest of Papers of Spring COMPCONS 81, Feb. 23-26, VLSI LABORATORY, pp. 209-212.					
LWH	C5	Torelli et al, "An Improved Method for Programming a Word-Erasable EEPROM", Alta Frequenza, Vol. 52, Nov. - Dec. 1983, no. 6, pp. 487-494.					
LWH	C6	Harold, " Production EPROM Loading", New Electronics, Vol. 15 (1982) Feb. 1982, No. 3, London, Great Britain, pp. 46-50.					
EXAMINER Ly V. Hua			DATE CONSIDERED 12/14/99				
* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

FORM PT01449 (REV. 8-83)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. HARI.006UST	SERIAL NO. 09/143,233
INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i>		APPLICANT Eliyahou Harari et al.	
		FILED August 28, 1998	GROUP 2785



U. S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
LW	A28 4 6 5 2 8 9 7	03/1987	Okuyama et al.			
LW	A29 4 6 6 3 7 7 0	05/1987	Murray et al.			
LW	A30 4 6 6 7 2 1 7	05/1987	Janning			
LW	A31 4 6 8 2 2 8 7	07/1987	Mizuno et al.			
LW	A32 4 7 1 8 0 4 1	01/1988	Baglee et al.			
LW	A33 4 7 3 3 3 9 4	03/1988	Giebel			
LW	A34 4 7 5 7 4 7 4	07/1988	Fukushi et al.			
LW	A35 4 7 6 3 3 0 5	08/1988	Kuo			
LW	A36 4 7 7 4 7 0 0	09/1988	Satoh et al.			
LW	A37 4 8 0 0 5 2 0	01/1989	Iijima			
LW	A38 4 8 0 3 7 0 7	02/1989	Cordan Jr.			

RECEIVE
 MAY 05 1999
 Group 2700

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANS. (YES/N)
B11 JP 58 0 8 6 7 7 7	05/1983	Japan			Abstrac
B12 JP 62 2 8 3 4 9 7	12/1987	Japan			Abstrac
B13 FR 2 4 3 0 0 6 5	01/1980	France			Abstrac
B14 DE 3 2 0 0 8 7 2	07/1983	Germany			Abstrac
B15 EP 0 2 5 1 8 8 9	01/1988	EPO			Abstrac

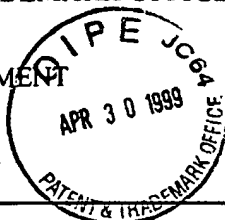
OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent pages, Etc.)*

LW	C7	Alberts et al., "Multi-Bit Storage Fet Earom Cell", IBM Technical Disclosure Bulletin," Vol. 24, No. 7A, Dec 1981, pp. 3311-3314, 4193.
LW	C8	Bleiker et al., "A Four State EEPROM using Floating-Gate Memory Cells", IEEE, Vol. SC-22, No. 3, Journal of Solid-State Circuits, June 1987, pp. 460-463.
LW	C9	Yasuo Tarui, "Japanese Develop Nondestructive Analog Semiconductor Memory", Electronics Review, pp. 29-30, July 11, 1974.

EXAMINER <div style="text-align: center; font-size: 1.2em;">Ly V. Hua</div>	DATE CONSIDERED <div style="text-align: center; font-size: 1.2em;">12/14/99</div>
--	--

* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PT01449 (REV. 8-83)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. HARI.006UST	SERIAL NO. 09/143,233
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANT Eliyahou Harari et al.	
		FILED August 28, 1998	GROUP 2785



U. S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
RV	A28 4 6 5 2 8 9 7	03/1987	Okuyama et al.			
RV	A29 4 6 6 3 7 7 0	05/1987	Murray et al.			
RV	A30 4 6 6 7 2 1 7	05/1987	Janning			
RV	A31 4 6 8 2 2 8 7	07/1987	Mizuno et al.			
RV	A32 4 7 1 8 0 4 1	01/1988	Baglee et al.			
RV	A33 4 7 3 3 3 9 4	03/1988	Giebel			
RV	A34 4 7 5 7 4 7 4	07/1988	Fukushi et al.			
RV	A35 4 7 6 3 3 0 5	08/1988	Kuo			
RV	A36 4 7 7 4 7 0 0	09/1988	Satoh et al.			
RV	A37 4 8 0 0 5 2 0	01/1989	Iijima			
RV	A38 4 8 0 3 7 0 7	02/1989	Cordan Jr.			

RECEIVED
MAY 05 1999
Group 2700

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANS. (YES/N)
B11 JP 58 0 8 6 7 7 7	05/1983	Japan			Abstrac
B12 JP 62 2 8 3 4 9 7	12/1987	Japan			Abstrac
B13 FR 2 4 3 0 0 6 5	01/1980	France			Abstrac
B14 DE 3 2 0 0 8 7 2	07/1983	Germany			Abstrac
B15 EP 0 2 5 1 8 8 9	01/1988	EPO			Abstrac

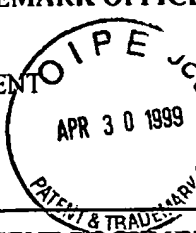
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

C7	Alberts et al., "Multi-Bit Storage Fet Earom Cell", IBM Technical Disclosure Bulletin," Vol. 24, No. 7A, Dec 1981, pp. 3311-3314, 4193.
C8	Bleiker et al., "A Four State EEPROM using Floating-Gate Memory Cells", IEEE, Vol. SC-22, No. 3, Journal of Solid-State Circuits, June 1987, pp. 460-463.
C9	Yasuo Tarui, "Japanese Develop Nondestructive Analog Semiconductor Memory", Electronics Review, pp. 29-30, July 11, 1974.

EXAMINER Ly V. Hua	DATE CONSIDERED 12/14/99
---------------------------	---------------------------------

* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PT01449 (REV. 8-83)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. HARI.006UST		SERIAL NO. 09/143,233	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				APPLICANT Eliyahou Harari et al.		RECEIVED	
				FILED August 28, 1998		MAY 09 1999 2785 Group 2700	



U. S. PATENT DOCUMENTS												
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE						
RL	A39	4 8 6 0 2 2 8	08/1989	Carroll								
RL	A40	4 8 8 7 2 3 4	12/1989	Iijima								
RL	A41	4 8 8 8 6 8 6	12/1989	Sinz et al.								
RL	A42	4 8 9 6 2 6 2	01/1990	Wayama et al.								
RL	A43	4 9 4 2 5 5 6	07/1990	Sasaki et al.								
RL	A44	4 9 4 9 2 4 0	08/1990	Iijima								
RL	A45	4 9 9 2 9 8 4	02/1991	Busch et al.								
RL	A46	5 0 1 6 2 1 5	05/1991	Tigelaar								
RL	A47	5 0 4 3 9 4 0	08/1991	Harari								
RL	A48	5 0 5 1 9 9 4	09/1991	Bluehman et al.								
RL	A49	5 0 5 3 9 9 0	10/1991	Kreifels et al.								

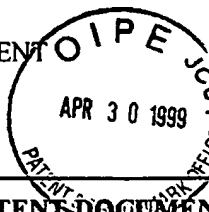
FOREIGN PATENT DOCUMENTS												
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANS. (YES/N)							
B16	GB	2 2 1 5 1 5 5	09/1989	United Kingdom								
B17	EP	0 3 4 9 7 7 5	1989	EPO 01/1990								

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)	
C10	Furuyama et al, "An Experimental 2-BIT/CELL Storage Dram for Macro Cell or Memory-on-Logic Application", IEEE Custom Integrated Circuits Conference, May 1988, pp. 4.4.1 - 4.4.4
C11	Horiguchi et al, "An Experimental Large-Capacity Semiconductor File Memory Using 16-LEVELS/CELL Storage", IEEE Journal of Solid-State Circuits, Vol. 23, Feb 1988, No. 1, pp. 27-33.

EXAMINER Ly V. Hua	DATE CONSIDERED 12/14/99
---------------------------	---------------------------------

* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PT01449 (REV. 8-83)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. HARI.006UST	SERIAL NO. 09/143,233
INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i>		APPLICANT Eliyahou Harari et al.	
		FILED August 28, 1998	GROUP 2785



U. S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
RL 2/3/11 LWH	A50 5 0 7 0 5 0 2	12/1991	Supnik			
LWH	A51 5 1 2 6 9 7 3	06/1992	Gallia et al.			
LWH	A52 5 1 3 4 5 8 4	07/1992	Boler et al.			
LWH	A53 5 2 1 4 6 5 7	05/1993	Farnworth et al.			
LWH	A54 5 2 2 2 1 0 9	06/1993	Pricer			
LWH	A55 5 2 4 3 5 7 0	09/1993	Saruwatari			
LWH	A56 5 2 6 8 8 7 0	12/1993	Harari			
LWH	A57 5 2 7 0 9 7 9	12/1993	Harari et al.			
LWH	A58 5 2 7 8 7 9 3	01/1994	Yeh			
LWH	A59 5 2 9 3 5 6 0	03/1994	Harari			
LWH	A60 5 3 6 9 6 1 5	11/1994	Harari et al.			

RECEIVED
 MAY 05 1999
 Group 2700

FOREIGN PATENT DOCUMENTS

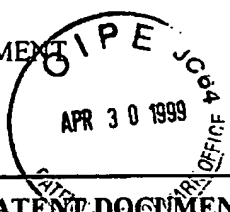
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANS. (YES/N)

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

EXAMINER Ly V. Hoa	DATE CONSIDERED 12/14/99
------------------------------	------------------------------------

* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PT01449 (REV. 8-83)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. HARI.006UST	SERIAL NO. 09/143,233
INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i>		APPLICANT Eliyahou Harari et al.	
		FILED August 28, 1998	GROUP 2785



U. S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
LW	A61 5 3 7 7 1 4 8	12/1994	Rajsuman			
LW	A62 5 3 9 6 4 6 8	03/1995	Harari et al.			
LW	A63 5 4 0 2 3 7 6	03/1995	Horiguchi et al.			
LW	A64 5 4 1 4 6 6 4	05/1995	Lin et al.			
LW	A65 5 4 6 5 2 3 4	11/1995	Hannai			
LW	A66 5 4 7 1 4 3 1	11/1995	McClure			
LW	A67 5 5 3 5 3 2 8	07/1996	Harari et al.			
LW	A68 5 5 6 3 8 3 2	10/1996	Kagami			
LW	A69 5 5 6 8 4 3 9	10/1996	Harari			

RECEIVED
 MAY 05 1999
 Group 2785

FOREIGN PATENT DOCUMENTS

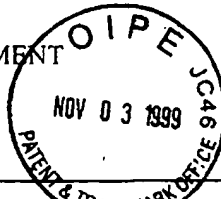
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANS. (YES/N)

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

EXAMINER	DATE CONSIDERED 12/14/99
-----------------	------------------------------------

* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PT01449 (REV. 8-83)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. HARI.006UST	SERIAL NO. 09/143,233
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANT Eliyahou Harari et al.	
		FILED September 30, 1999	GROUP 2785



U. S. PATENT DOCUMENTS

*EXAMINER • INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
LVH	A70 4 9 3 1 9 9 7	06/1990	Mitsubishi et al.			
LVH	A71 5 2 1 0 7 1 6	05/1993	Takada			
LVH	A72 5 2 9 7 1 0 3	03/1994	Higuchi			
LVH	A73 5 5 4 6 4 0 2	08/1996	Nijima et al.			
LVH	A74 5 5 9 4 6 8 9	01/1997	Kato			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANS. (YES/N)
B18 JP 5 1 8 9 9 8 1	07/1993	Japan			Abstract
B19 JP 58 2 1 5 7 9 4	12/1983	Japan			Yes
B20 JP 58 2 1 5 7 9 5	12/1983	Japan			Yes
B21 JP 59 1 6 2 6 9 5	1983-09/1984	Japan			Yes
B22 JP 59 0 4 5 6 9 5	1982-03/1984	Japan			Yes

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

	C12	"Gist of Technology in Coding Error Correction", Nippon Kogyo Gijutsu Center Co., Ltd., pp. 109-142.

RECEIVED

EXAMINER Ly V. Hua	DATE CONSIDERED NOV 09 1999 12/14/99 GROUP 2700
------------------------------	--

* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

